

BALLOON AND BALLOON CATHETER

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Abstract of JP4144572

PURPOSE: To reduce the thickness of the balloon while sufficiently assuring the resilience, strength and durability of the balloon by constituting the balloon of a thin member having an inner layer consisting of crystalline plastic and an outer layer consisting of an elastic material having blood adaptability.

CONSTITUTION: The balloon 3 is constituted of the thin member 30 laminated with the inside layer 31 and the outside layer 32. The inside layer 31 is a part to mainly bear the strength of the balloon 3 and is constituted of the crystalline plastic. Such crystalline plastic is, preferably, for example, polyethylene terephthalate and polyamide. The outside layer 32 is the part to mainly bear the resilience of the balloon 3 and is constituted of the elastic material having the blood adaptability. The elastic material having the blood adaptability is exemplified by various kinds of rubber, such as silicone rubber and latex rubber, and various kinds of thermoplastic elastomers, such as polyurethane, polyamide elastomer, polyester elastomer, polyethylene elastomer, and polyolefin elastomer.

